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AN ANNOTATED LIST OF BUTTERFLIES
FOR NORTHWESTERN OHIOJAMES W. PORTER
162 Hampden Park, Tiffin, Ohio

FOR THE PRECEDING EIGHT YEARS (1956-1964) the author has conducted full summer studies on the lepidoptera of northwestern Ohio, specifically on Seneca County (a similar list for moths has been compiled and its records are now being checked). The area studied is located about 50 miles south of Toledo, Ohio, and is part of the Lake Plains region drained by the Sandusky River (Fig. 1). Seneca County is approximately eleven percent woodland, in which scrub oak, hickory, and poplar are prominent, the large elm population having been excluded rapidly over the last five years by the Dutch elm disease. The remaining area consists of grassland and farmland (Fig. 2). Morphometric data (Fouzt, unpublished) for this area is: monthly rainfall, 3.03 inches—incidentally, no monthly rainfall average is more than .64 inches from this figure. The average temperature for December, January, and February is 28.73°F; for March, April, and May, 48.55°F; for June, July, and August, 71.35°F; and for September, October, and November, 53.35°F. The extreme high temperature recorded is 106°F in 1934; the extreme low for this area is -18°F, recorded in 1917. The frost free period ranges from May 1-7 to September 23-30.

Each species noted in this list, with the exception of *Speyeria idalia* and *Limentis arthemis arthemis* are capture records, the above two being sight records only. Two other local collectors in Seneca County were Mr. Frank Hepp, who made his collection prior to 1921, and Dr. Rhodes of Heidelberg College, Tiffin, Ohio, who maintained his collection until 1930. Most of their field notes are gone, so only their names could be listed if the species were contained in their collections (between the two collections a fairly thorough coverage of the local kinds was obtained); capture dates are included for my specimen. It is interesting to note that both of these earlier collections contained two species which, as far as I can see, are not present in this area anymore—or they are extremely rare. They are *Nymphalis milberti* and *Erynnis martialis*, both of which, according to Klots (1958) could inhabit this area.



Fig. 1. Sandusky River Basin, Seneca Co., Ohio.



Fig. 2. Wheat field and oak-hickory woods.

It is my hope that more such extended work will be done in other localities, for it seems to me that in the last analysis it will be the individual species in its micro-habitat that will be accounted for. I thank Dr. Howard W. Hintz of Heidelberg College for his assistance on the Heidelberg Collection; Mr. Leland L. Martin of Wellington, Ohio, for his careful help on the preparation of this list; Mrs. J. H. Hilton and Miss L. K. Fast of the Seneca County Museum for their assistance on Mr. Hepp's collection; and also my brother, with whom I have spent many a successful field trip.

ANNOTATED LIST

SATYRIDAE

- Lethe portlandia* (Fabricius). in the collections of Rhodes & Hepp; Capture date: 16 Aug., 64.
Lethe eurdice (Johannson). Rhodes; July, 57.
Euptychia cymela (Cramer). Rhodes & Hepp; July, 56.
Cercyonis pegala alope (Fabricius). Rhodes; Aug., 58.
Cercyonis alope nephele (Kirby). Rhodes; July, 56.

DANAIIDAE

- Danaus plexippus* (Linnaeus). Rhodes & Hepp; Sep., 61.

NYPHALIDAE

- Euptoieta claudia* (Cramer). Aug., 56.
Speyeria cybele (Fabricius). Rhodes & Hepp; Sep., 61.
Speyeria idalia (Drury). Aug., 64.
Boloria toddi (Holland). Rhodes & Hepp; Sept., 61.
Phyciodes tharos (Drury). Rhodes & Hepp; Sept., 60.
Polygonia progne (Cramer). June, 56.
Polygonia interrogationis (Fabricius). Rhodes & Hepp; June, 58.
Polygonia comma (Harris). July, 56.
Nymphalis milberti (Latreille). Sept., 56.
Nymphalis antiopa (Linnaeus). Rhodes & Hepp; June, 56.
Vanessa atlanta (Linnaeus). Rhodes; July, 57.
Vanessa cardui (Linnaeus). July, 57.
Vanessa virginiensis (Drury). Rhodes; July, 56.
Precis lavinia (Cramer). Rhodes; June, 56.
Limentis arthemis astyanax (Fabricius). Hepp; Aug., 56.
Limentis arthemis arthemis (Drury). Sighted Aug., 64.
Limentis archippus (Cramer). Rhodes; July, 56.
Asterocampa celtis (Boisduval & Leconte). Sept., 59.
Asterocampa clyton (Boisduval & Leconte). July, 58.

LIBYTHEIDAE

- Libytheana bachmannii* (Kirtland). July, 58.

RIODINIDAE

- Lephelisca muticum* (McAlpine). July, 58.

LYCAENIDAE

- Strymon liparops* (Boisduval & Leconte). Hepp; Aug., 60.
Strymon melinus (Huebner). Rhodes; July, 59.
Strymon falacer (Godart). July, 58.
Strymon titus (Fabricius). July, 63.
Lycaena thoe (Guerin). Rhodes & Hepp; Aug., 61.
Lycaena phalaes americana (Linnaeus). July, 60.
Everes comynates (Godart). Aug., 59.
Lycaenopsis agrioius (Linnaeus). Juune, 57.

PIERIDAE

- Colias philodice* (Latreille). Rhodes & Hepp; June, 56.
Colias eurytheme (Boisduval). Rhodes & Hepp; July, 58.
Eurema lisa (Boisduval & Leconte). July, 57.
Pieris rapae (Linnaeus). Rhodes & Hepp; June, 60.

PAPILIONIDAE

- Papilio marcellus* (Cramer). Rhodes & Hepp; Aug., 59.
Papilio troilus (Linnaeus). Rhodes & Hepp; July, 58.
Papilio philenor (Linnaeus). July, 60.
Papilio polyxenes (Fabricius). July, 58.
Papilio cresphontes (Cramer). Rhodes & Hepp; July, 60.
Papilio glaucus (Linnaeus). Rhodes & Hepp; July, 56.

HESPERIDAE

- Pyrgus communis* (Grote). July, 56.
Pholisora catullus (Fabricius). July, 62.
Erynnis icelus (Scudder & Burgess). May, 57.
Epargyreus clarus (Cramer). July, 56.
Adopaea lineola (Ochsenheimer). July, 63.
Polites peckius (Kirby). June, 59.
Polites themistocles (Latreille). Sept., 59.
Polites verna (Edwards). July, 56.
Poanes zabulon (Boisduval & Leconte). June, 57.
Poanes hobomok (Harris). July, 59.
Poanes viator (Edwards). July, 60.
Ancyloxypha numitor (Fabricius). Sept., 56.
Atrytone ruricola metacomet (Boisduval). July, 59.
Atrytone dukesi (Lindsey). July, 60.
Hylephila phyleus (Drury). Sept., 61.
Atalopedes campestris (Boisduval). August, 64.
Catia otho egeremet (Scudder). August, 64.

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